

ABSTRACT OF THE DISCLOSURE

The present invention relates to a fabrication method of an optical fiber product and others capable of effectively restraining increase of loss near the wavelength of 1.38 μm induced by OH-radical absorption.

5 The fabrication method of the optical fiber product involves the steps of preparing two optical fibers with mutually different mode field diameters, and heating a region near a splice end face of at least one optical

10 fiber with the smaller mode field diameter by a heating source not using a fuel containing pure hydrogen as a constitutive element, before or after a fusion splice is made between these optical fibers. This reduces the OH-radical absorption in the heated region, so as to

15 decrease the increase of transmission loss at the wavelength of 1.38 μm to 0.1 dB or less.